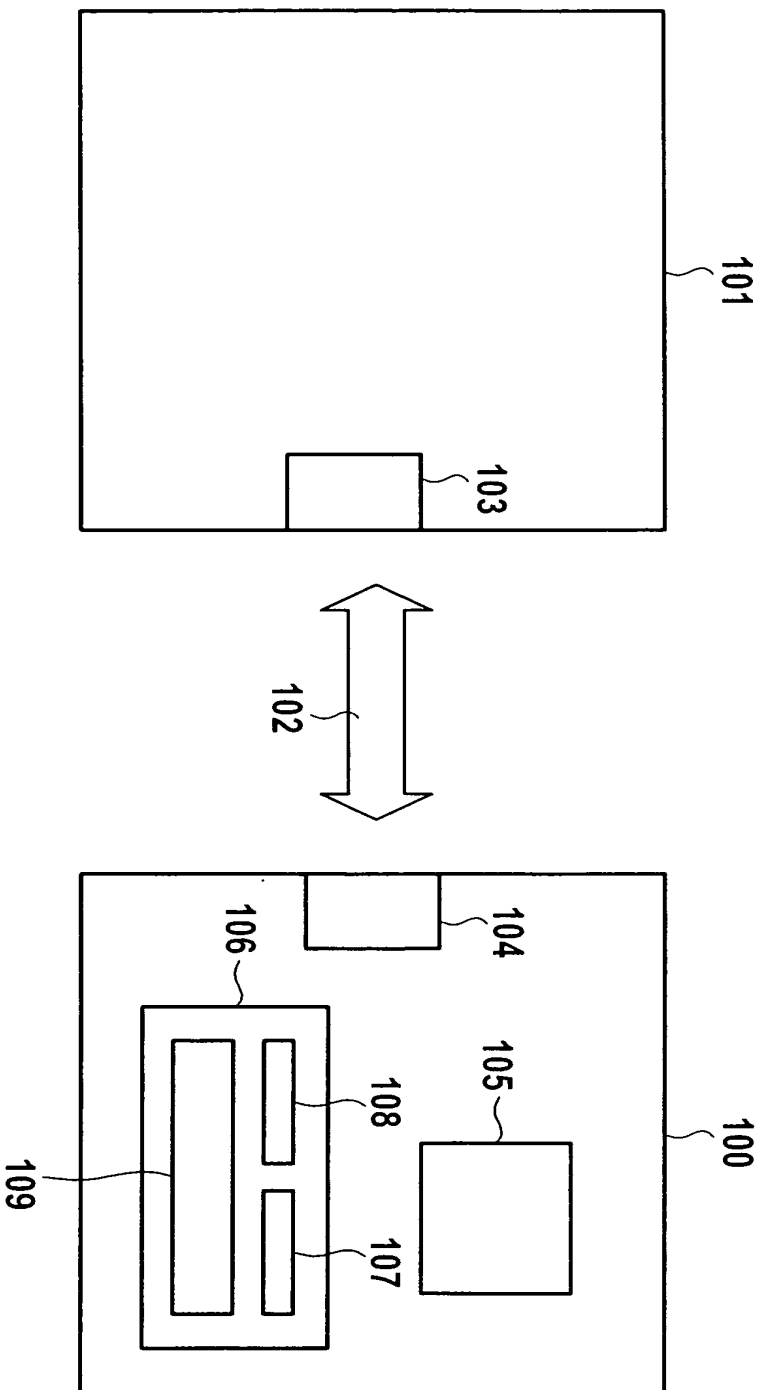


Fig. 1



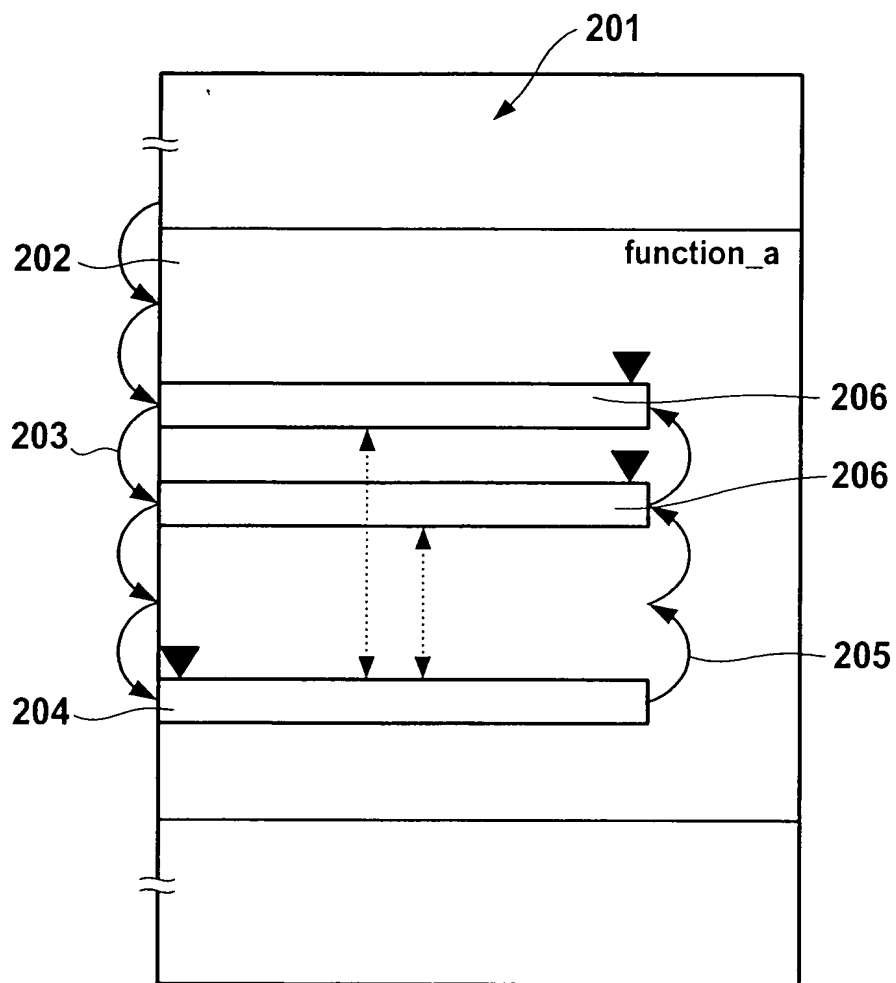


Fig. 2

Trigger condition
for determining
store instructions

Fig. 3

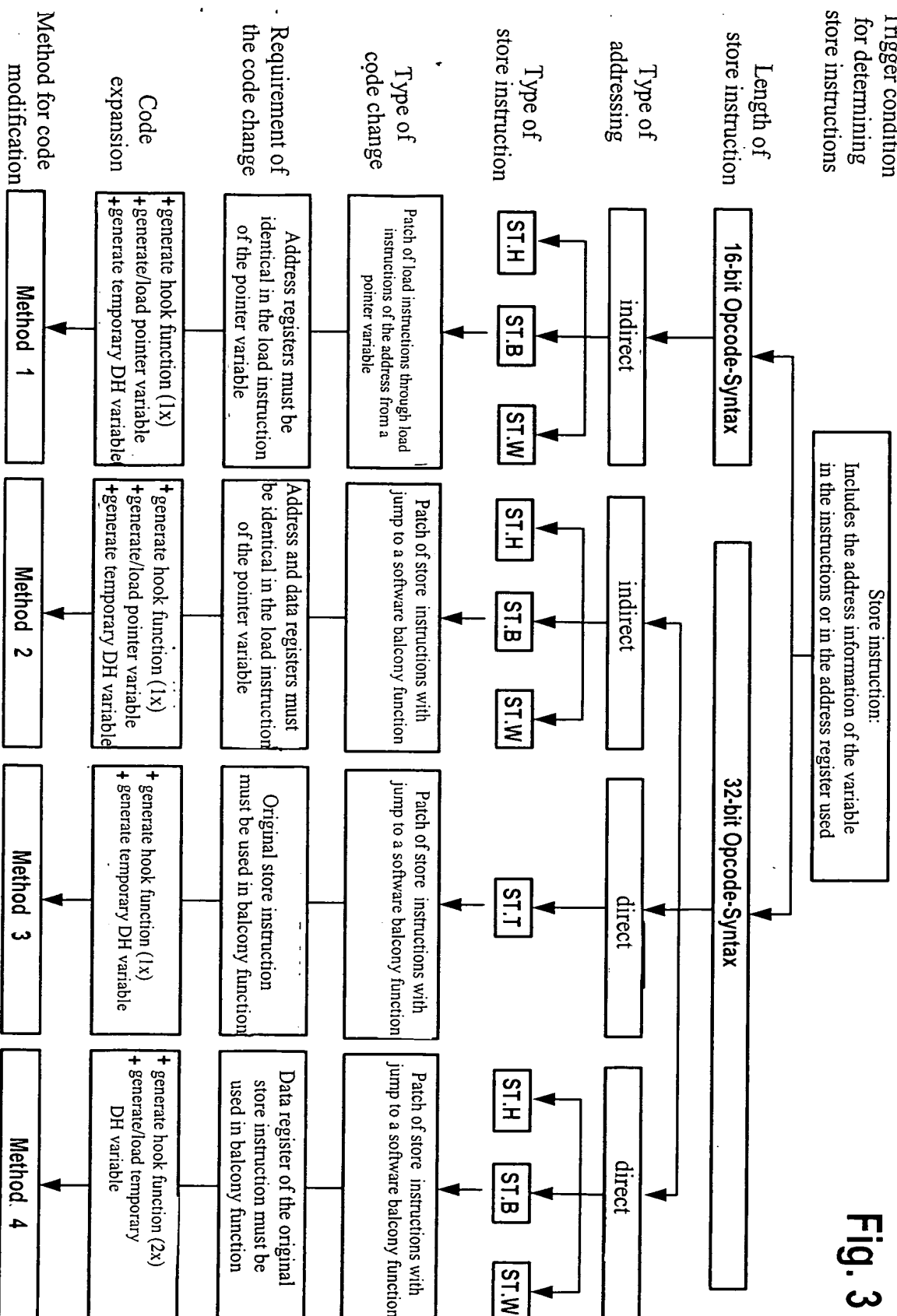


Fig. 4

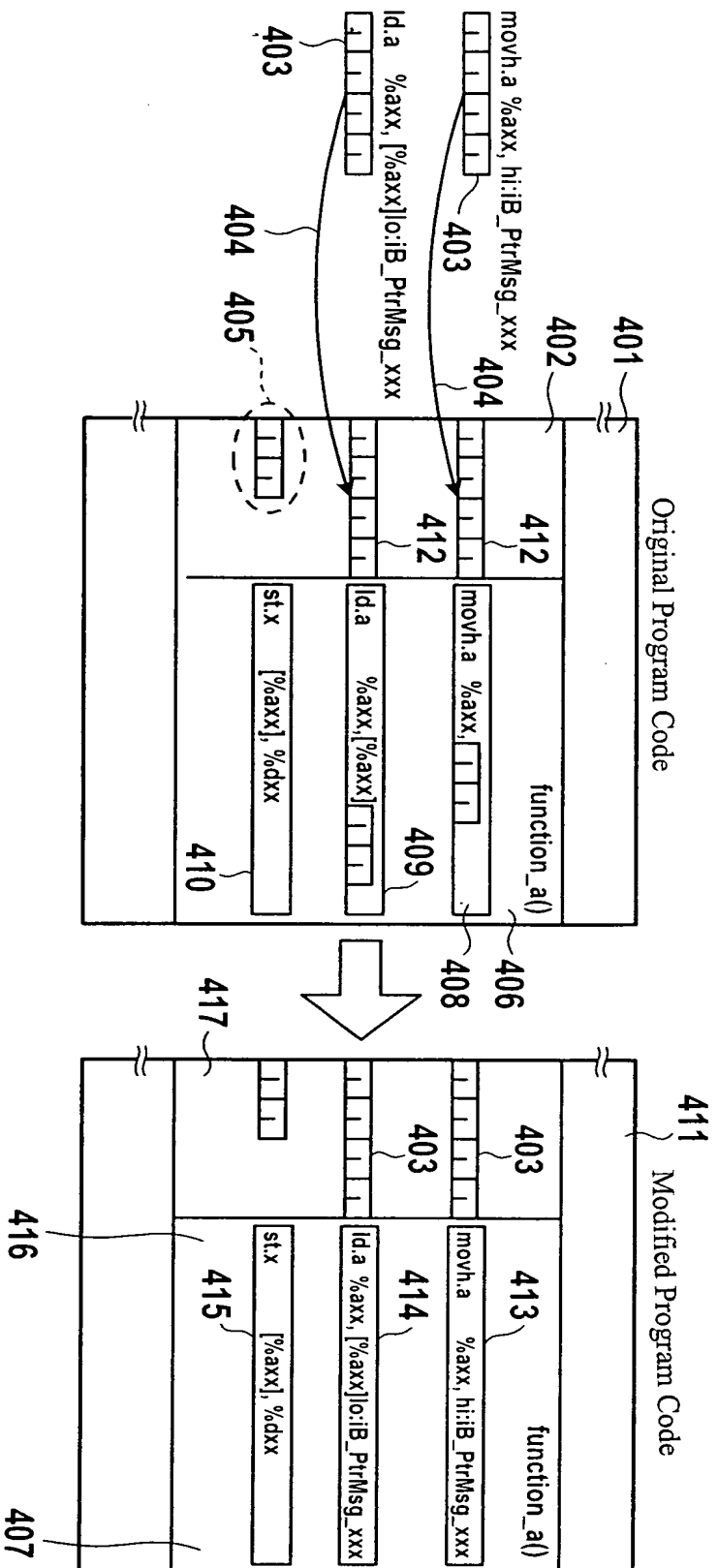


Fig. 5

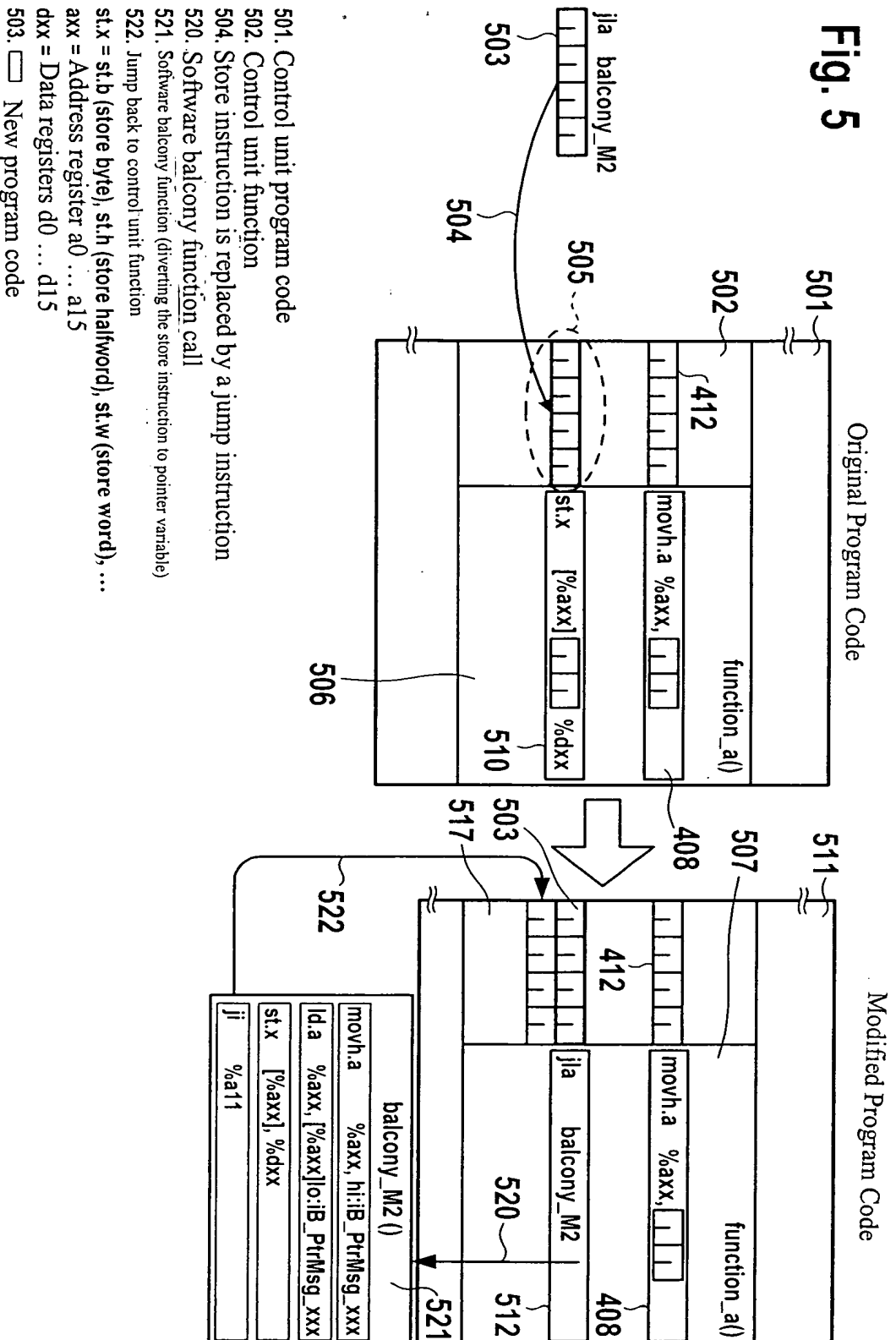


Fig. 6

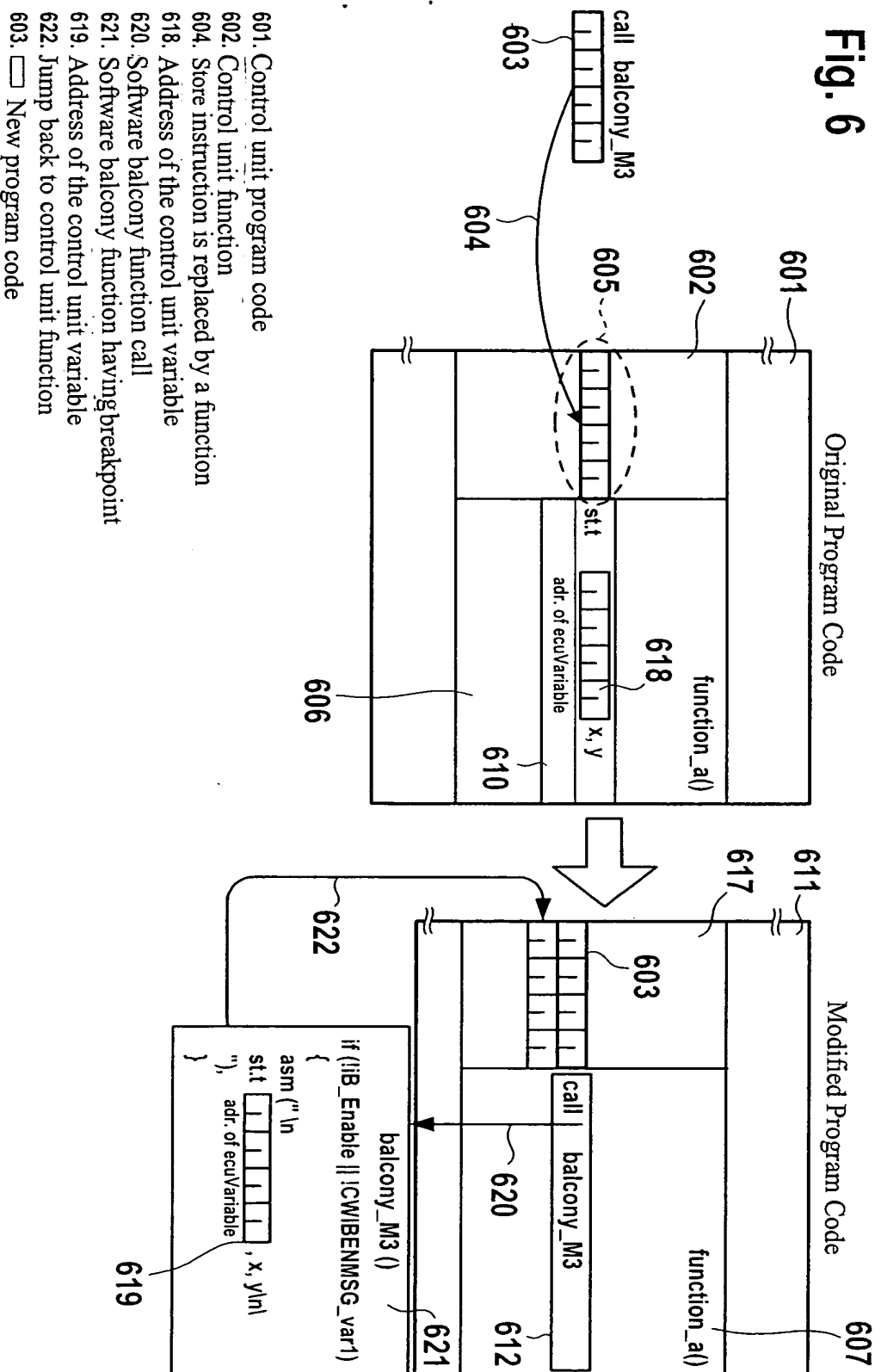
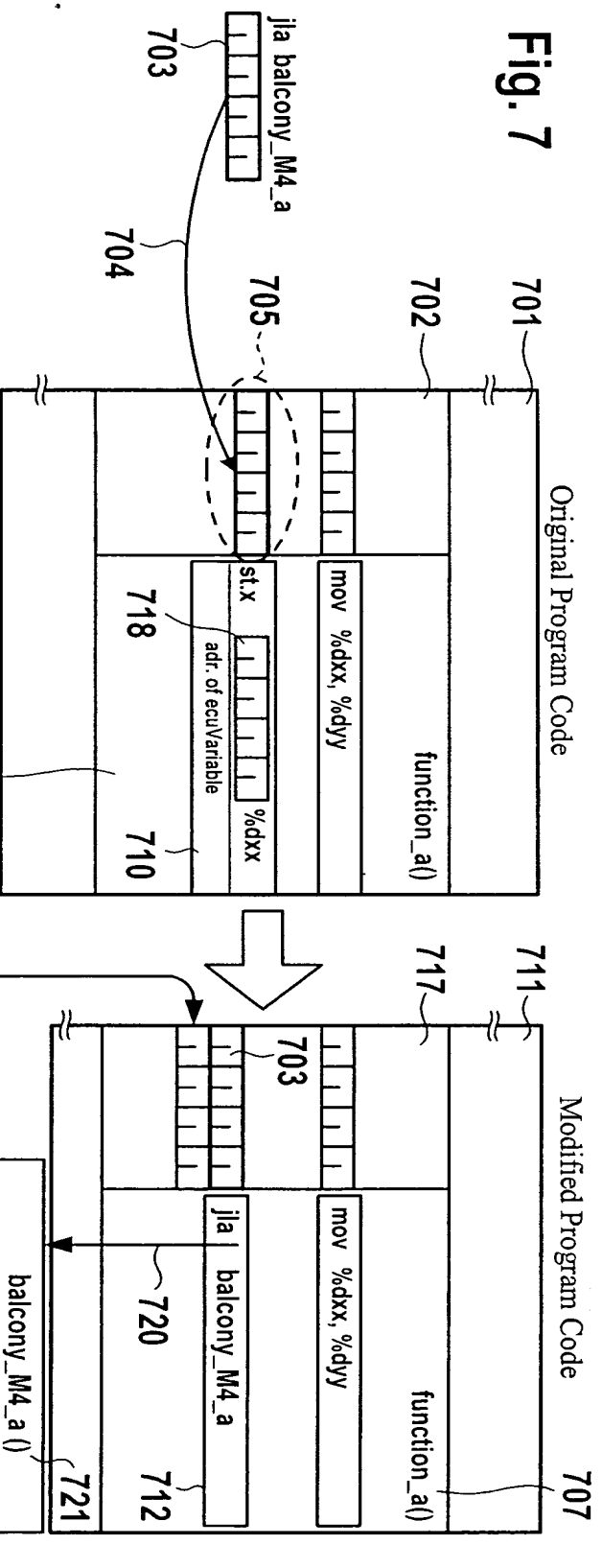
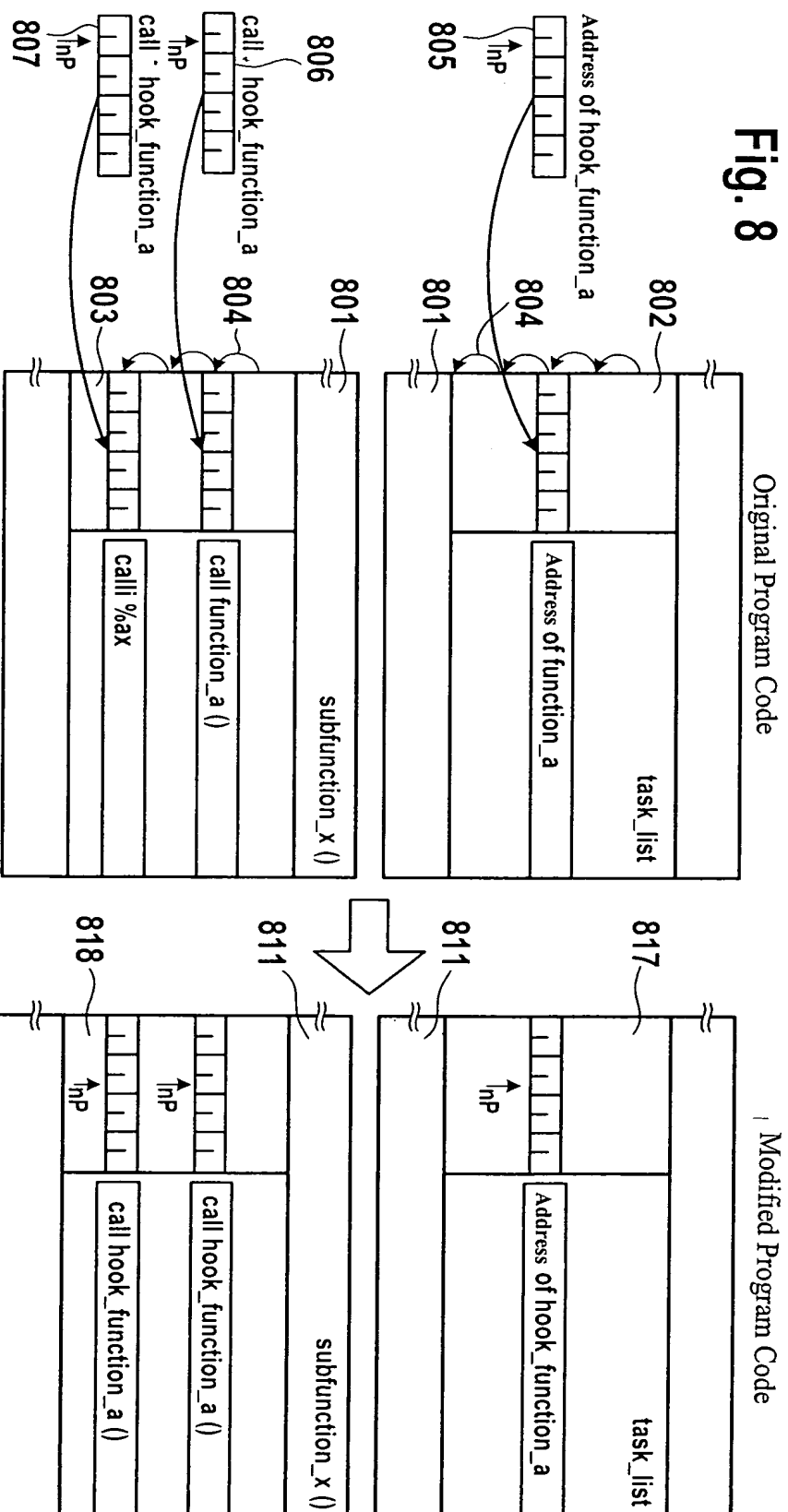


Fig. 7



- 701. Control unit program code
- 702. Control unit function
- 704. Store instruction is replaced by a jump instruction
- 718. Address of the control unit variable
- 720. Software balcony function 1 call
- 721. Software balcony function 1
- 723. Software balcony function 2 call
- 724. Software balcony function 2
- 725. Jump back to software balcony function 1
- 722. Jump back to control unit function
- st.x = st.b (store byte), st.h (store halfword), st.w (store word), ...
- dx = Data registers d0 ... d15
- 703. ☐ New program code

Fig. 8



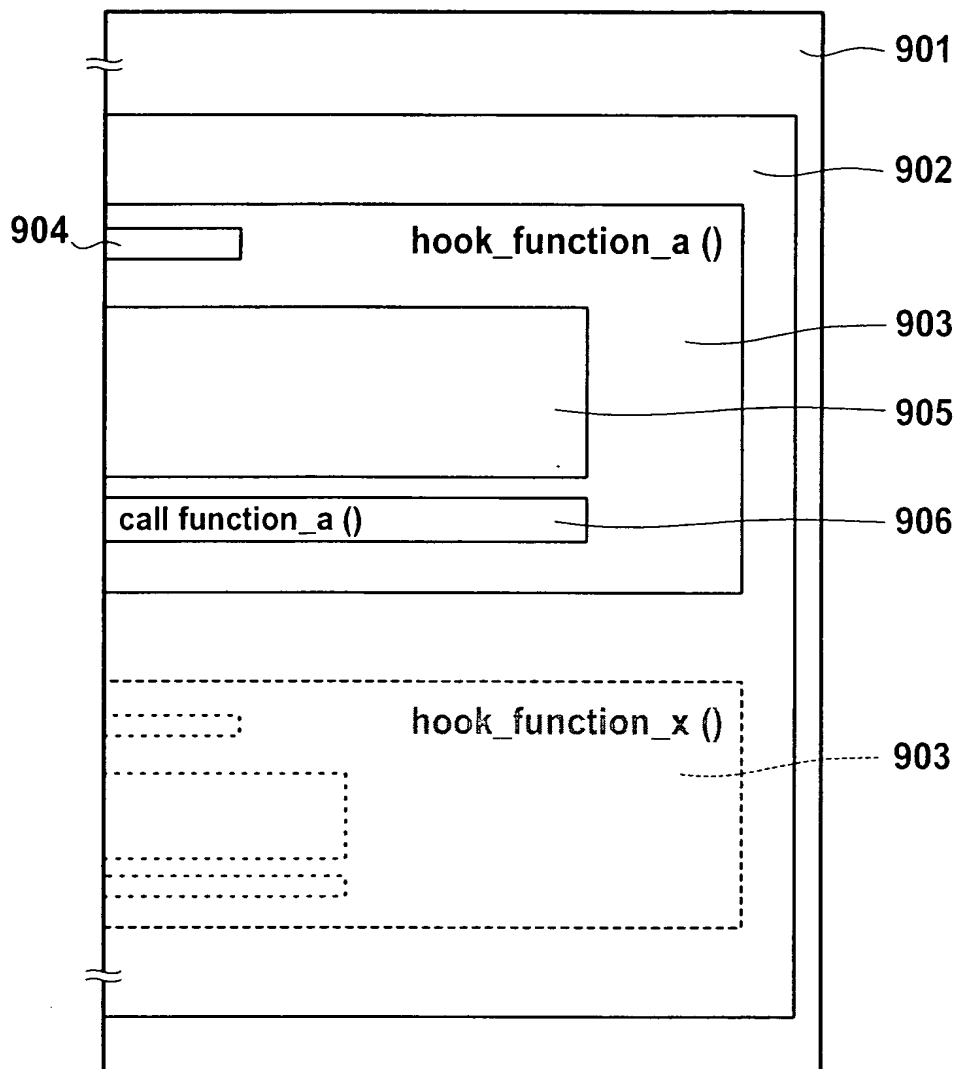


Fig. 9

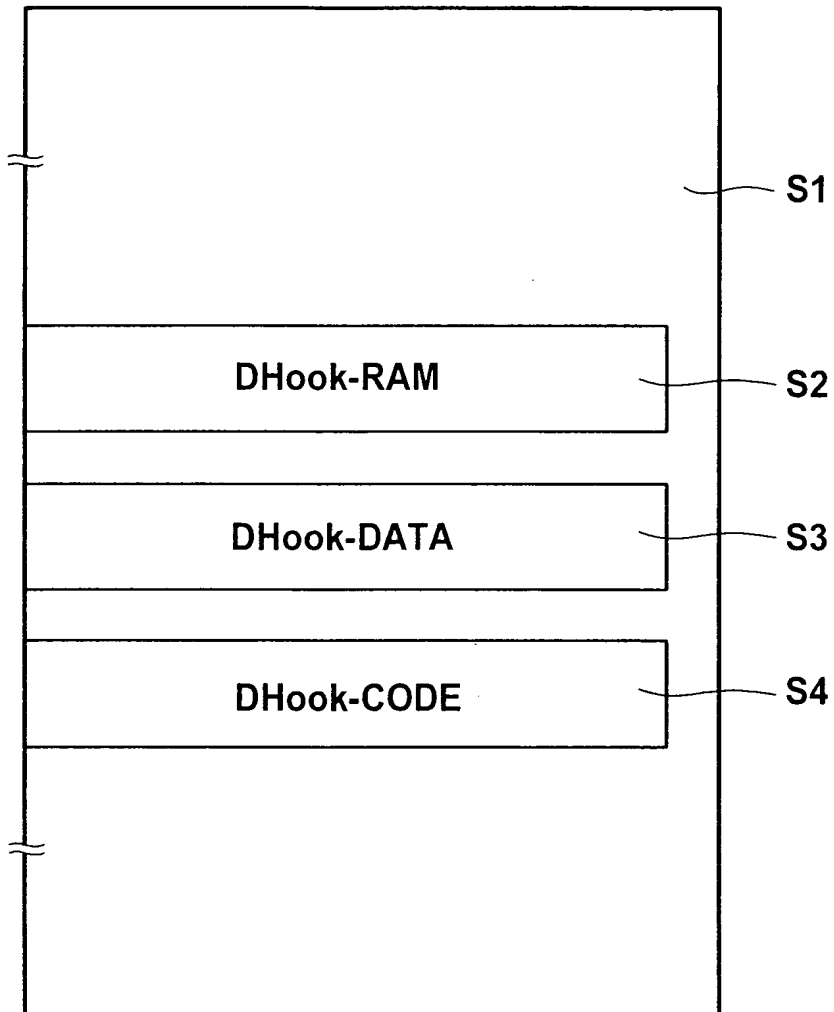


Fig. 10

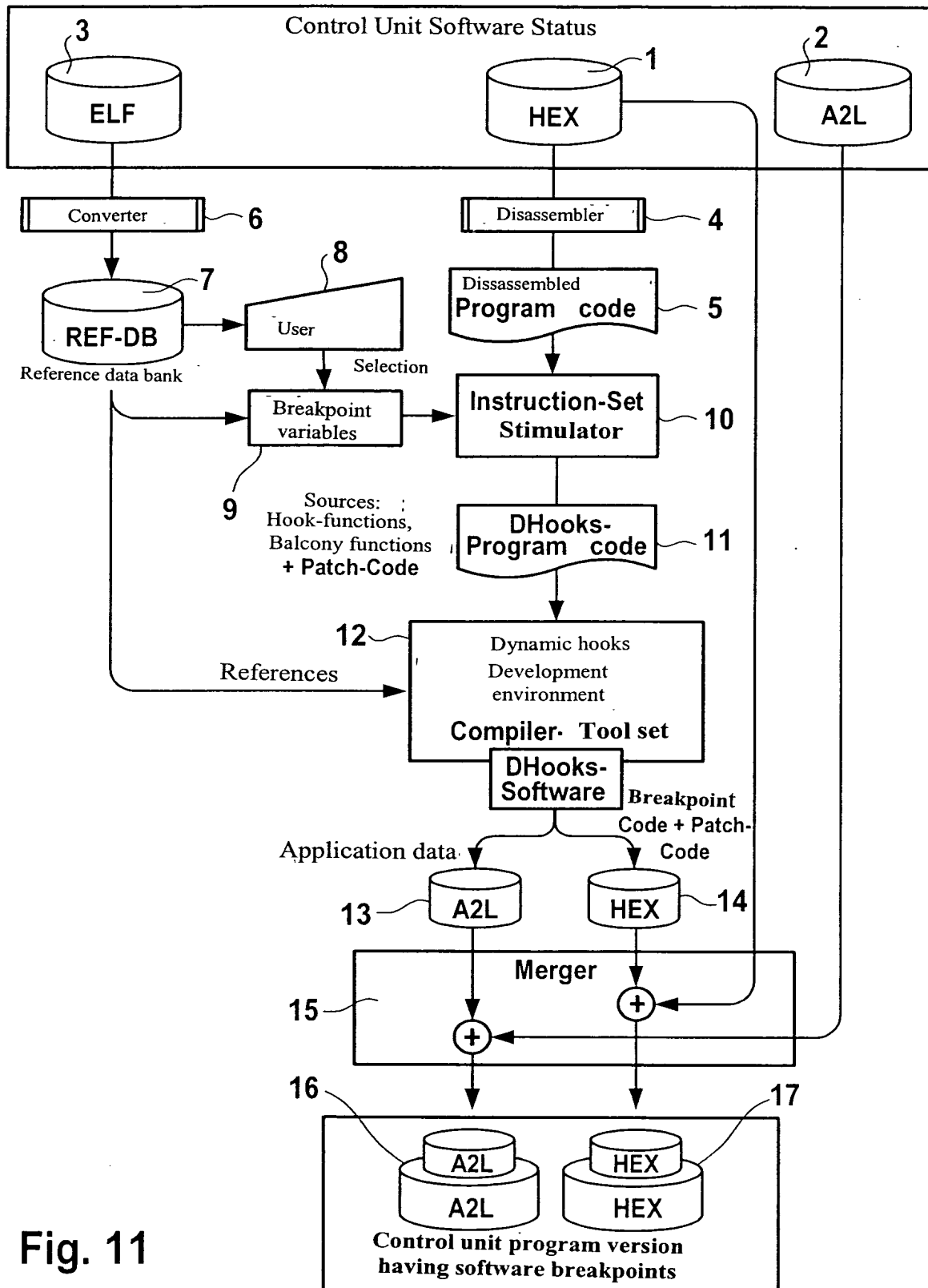


Fig. 11

Fig. 12

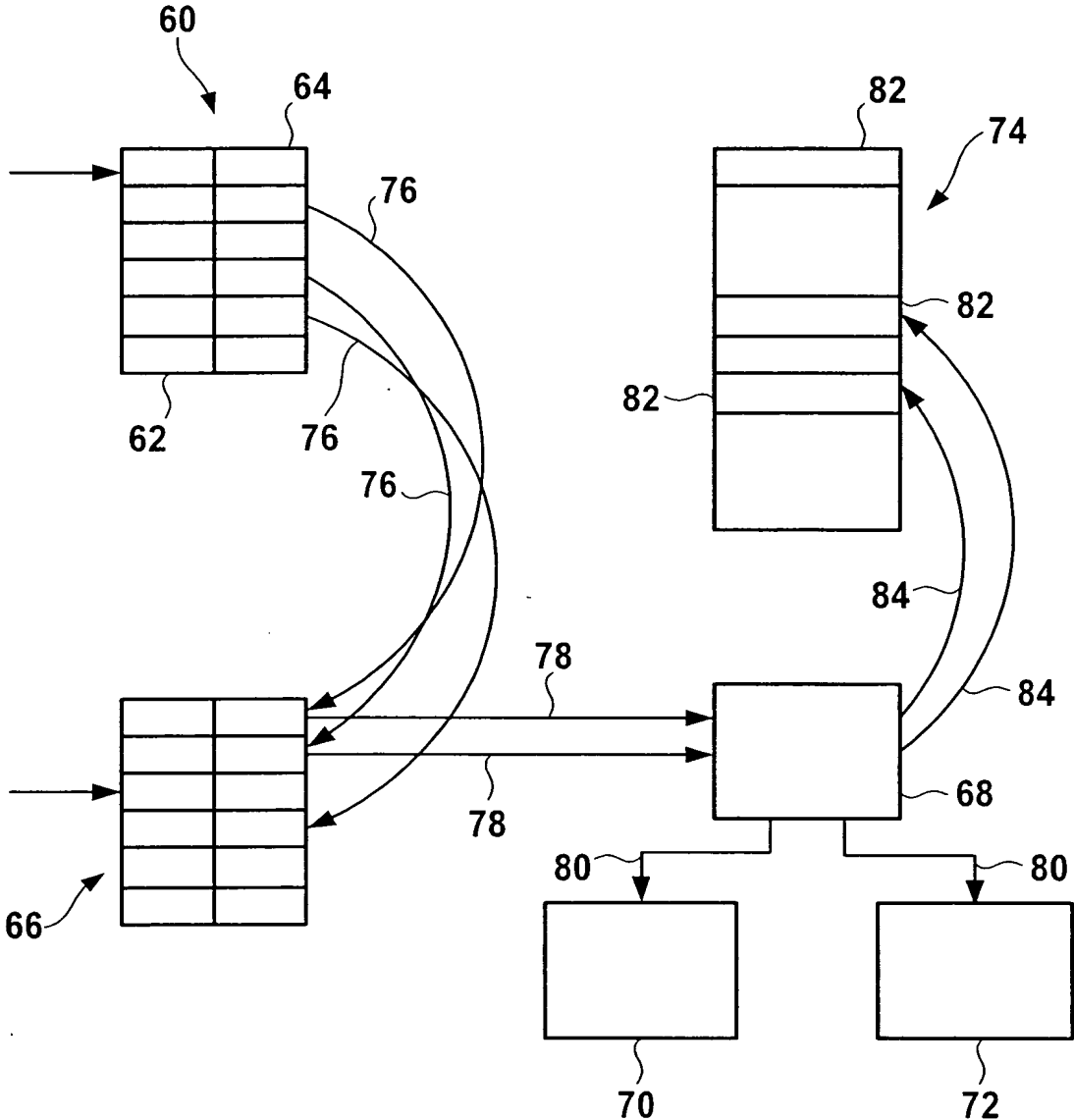
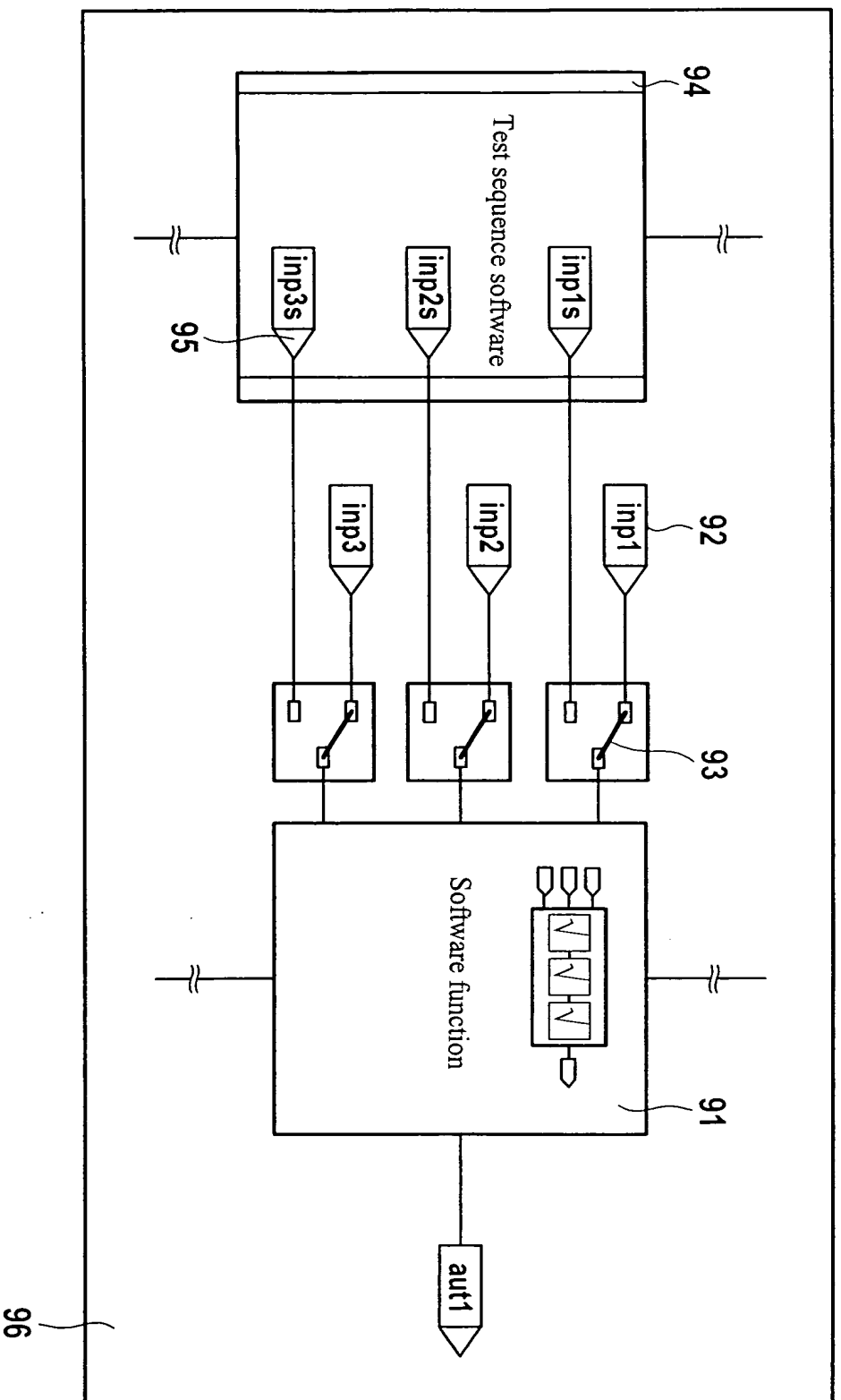


Fig. 13



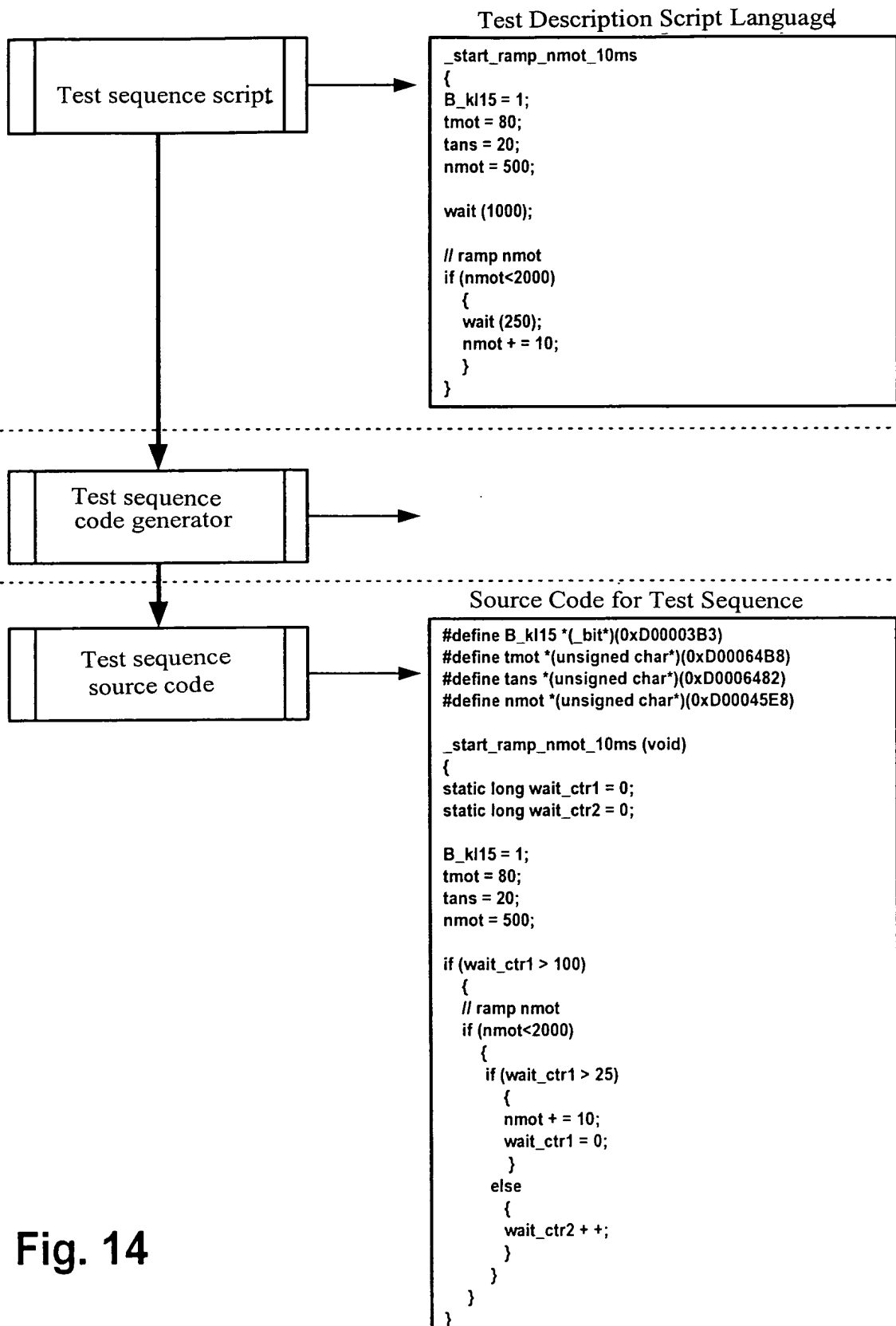


Fig. 14

Fig. 15

